

VORTEX CENTRE

GIPPSLAND WATER EDUCATION PROGRAM

Blue Gold

Program focus

In Blue Gold, students will learn about why water conservation is important. They will discover how much water they use and find out how they can reduce their water consumption. Students will also gain an understanding of embodied water (water that is used to make consumer products).

Presentation

The presentation in Blue Gold will look at why water conservation is important in Victoria. The scarcity of water in Victoria, drought, and the need for water in the environment will be discussed.

Students will also learn about the amount of water that various devices use in the home (e.g. shower, toilet, washing machine) and find out ways that they can save water.

The presentation will also cover embodied water so that students understand that water is used to make food and other things that they consume.

Activity

In Blue Gold, students will calculate how much water they use in a day (shower, toilet, washing, watering the garden etc).

They will also write down what they had for breakfast and calculate how much water it took to make these products. Through this task, students will develop an understanding of embodied water.

Students will develop ideas for how they can reduce their water consumption.

VELS links

VELS levels	Strand	Domain	Dimension
3-5	Discipline-based learning	Mathematics Humanities - Economics	<ul style="list-style-type: none">• Number• Economic knowledge and understanding



This program includes:

- Introductory welcome presentation (5 minutes)
- Opening video (10 minutes)
- Vortex interactive walkthrough (30 minutes)
- Blue Gold presentation (15 minutes)
- Blue Gold activity (30 minutes)

*Times are approximate only and can be tailored to meet your school's objectives and needs.

About the Vortex Centre

The Vortex Walkthrough

The Vortex Centre is Gippsland Water's new water educational resource located at the world-first Gippsland Water Factory in Maryvale, Victoria.

The Vortex Centre provides a multimedia experience for students to learn about water usage and management in the Gippsland region, the water cycle and water sustainability.

The state-of-the-art 'green' facility features interactive displays, touch-screens and videos, with a focus on efficient use of water and sustainable water management; highlighting water as a precious resource at a local, state, national and global level.

Students will also learn about the treatment process happening at the Gippsland Water Factory and how recycled water is produced. This will include a behind-the-scenes look at the operational centre of the wastewater treatment plant.

The Vortex Centre is a sustainable building that sits on a lake of recycled water, which is pumped through the floor to provide cooling. It is also heated sustainably through waste energy and contains a variable membrane that saves electricity by controlling the level of light.

Vortex Centre education programs and the school curriculum

The different presentations and activities provided by Gippsland Water run across various VELS levels, domains and dimensions and can be tailored to fit the needs of students and the school curriculum.

For VCE students, information can be provided which is tailored to the needs of specific projects. Experts on wastewater treatment can also be provided to discuss various processes.



Admission to the Vortex Centre is free for those within Gippsland Water's service area.

School tours are available on Tuesday, Wednesdays and Thursdays between the hours of 9:30am and 3:00pm only.

To book a tour, please contact Gippsland Water's Communications team on 1800 066 401 or visit www.gippswater.com.au to download a Vortex Centre Tour Information Pack.

Please note: All bookings must be made at least two weeks in advance of the tour date.

Did you know?

A vortex is a whirling motion, like a whirlpool, whirlwind or water going down the drain. This motion was the inspiration behind the architecture of the Vortex Centre and is captured in the building's name.

The Vortex Centre is made up of seven barrels that appear to be floating on water and fit into one another, decreasing in size giving the appearance of a 'vortex'.

